ELSEVIER

EPSL

Earth and Planetary Science Letters 187 (2001) 385–386

www.elsevier.com/locate/epsl

Contents Volume 187

Regular Letters

A complete terrestrial Oligocene magnetobiostratigraphy from the Ebro Basin, Spain
X. Barberà, L. Cabrera, M. Marzo, J.M. Parés and J. Agustí 1
Magnetostratigraphy and biostratigraphy of the Middle Triassic Margon section (Southern Alps, Italy)
P.R. Gialanella, F. Heller, P. Mietto, A. Incoronato, V. De Zanche, P. Gianolla and G. Roghi 17
U–Pb geochronology of Seychelles granitoids: a Neoproterozoic continental arc fragment
R.D. Tucker, L.D. Ashwal and T.H. Torsvik 27
Paleomagnetic pole from the Yilgarn B (YB) dykes of Western Australia: no longer relevant to Rodinia reconstructions
H.C. Halls and M.T.D. Wingate 39
Reconstructions of the continents around the North Atlantic at about the 60th parallel
T.H. Torsvik, R. Van der Voo, J.G. Meert, J. Mosar and H.J. Walderhaug 55
Evidence for late Paleozoic and Mesozoic non-dipole fields provides an explanation for the Pangea reconstruction problems
R. Van der Voo and T.H. Torsvik 71
Magnetostratigraphic record of the Late Miocene onset of the East Asian monsoon, and Pliocene uplift of northern Tibet
X.K. Qiang, Z.X. Li, C.M. Powell and H.B. Zheng 83
A comparison of geodetic and finite strain pattern in the Aegean, geodynamic implications
L. Jolivet 95
Episodic back-arc extension during restricted mantle convection in the Central Mediterranean
C. Faccenna, F. Funiciello, D. Giardini and P. Lucente 105
Residual topography, lithospheric structure and sunken slabs in the central Mediterranean
Z. Gvirtzman and A. Nur 117
Timing of the Permian–Triassic biotic crisis: implications from new zircon U/Pb age data (and their limitations)
R. Mundil, I. Metcalfe, K.R. Ludwig, P.R. Renne, F. Oberli and R.S. Nicoll 131
^{226}Ra in marine barite: new constraints on supported ^{226}Ra
P. van Beek and J.-L. Reyss 147
Measurements of the concentrations of ^{26}Al in lunar rocks 15555 and 60025
R. Grismore, R.A. Llewellyn, M.D. Brown, S.T. Dowson and K. Cumblidge 163
Pore fluid advection and reaction in sediments of the eastern flank, Juan de Fuca Ridge, 48°N
M.D. Rudnicki, H. Elderfield and M.J. Mottl 173
Boron systematics of authigenic carbonates: a new approach to identify fluid processes in accretionary prisms
A. Deyhle, A. Kopf and A. Eisenhauer 191
Channeling of plume flow beneath mid-ocean ridges
M. Albers and U.R. Christensen 207
Sizing up crystals and their melt inclusions: a new approach to crystallization studies
K. Roggensack 221
Crustal motion and block behaviour in SE-Asia from GPS measurements
G.W. Michel, Y.Q. Yu, S.Y. Zhu, C. Reigber, M. Becker, E. Reinhart, W. Simons, B. Ambrosius, C. Vigny, N. Chamot-Rooke, X. Le Pichon, P. Morgan and S. Matheussen 239
Active spreading and regional extension at Mount Etna imaged by SAR interferometry
J.-L. Froger, O. Merle and P. Briole 245
^{238}U–^{230}Th constraints on mantle upwelling and plume–ridge interaction along the Reykjanes Ridge
D.W. Peate, C.J. Hawkesworth, P.W. van Calsteren, R.N. Taylor and B.J. Murton 259
Boron isotope systematics of slab fluids as inferred from a serpentine seamount, Mariana forearc
L.D. Benton, J.G. Ryan and F. Tera 273

PII: S0012-821X(01)00335-1

Evidence from gravity anomalies for interactions of the Marion and Bouvet hotspots with the Southwest Indian Ridge: effects of transform offsets
J.E. Georgen, J. Lin and H.J.B. Dick 283
Horizontal transition from fast to slow structures at the core–mantle boundary; South Atlantic
S. Ni and D.V. Helmberger 301
Southeast trade wind variations during the last 135 kyr: evidence from pollen spectra in eastern South Atlantic sediments
N. Shi, R. Schneider, H.-J. Beug and L.M. Dupont 311
Brine inclusions in diamonds: a new upper mantle fluid
E.S. Izraeli, J.W. Harris and O. Navon 323
Magnetic fabrics of soft-sediment folded strata within a neogene accretionary complex, the Miura group, central Japan
T. Kanamatsu, E. Herrero-Bervera and A. Taira 333
A comparative study of naturally and experimentally shocked chondrites
X. Xie, M. Chen, C. Dai, A. El Goresy and P. Gillet 345
Penetration of columnar convection into an outer stably stratified layer in rapidly rotating spherical fluid shells
S.-i. Takehiro and J.R. Lister 357
Numerical models of the onset of yield strength in crystal–melt suspensions
M.O. Saar, M. Manga, K.V. Cashman and S. Fremouw 367

Author Index Volume 187 381